



**University of Benghazi**  
**Faculty of Medicine**



**Pediatrics Course Description ( 1515)**

Pediatrics is a branch of medicine that deals with the medical care of infants, children and adolescent. which concerned about the child development and care, and about the diseases of children and their treatments.

Students will acquire knowledge, skills and attitudes to diagnose various aspects of diseases, Furthermore, will acquire decision making and critical thinking skills as lifelong learners.

Teaching is delivered through lectures, seminars, bed side clinics demonstration and simulation (skill lab) clinical demonstrations.

Students are assessed midterm (seminar /written) / final (written MCQs/ clinical OSCE)

the course is 239 contact hours ,It is taught in the fifth year/ Bachelor of Medicine and Surgery (MBBCh).

**The course aims to:**

By the end of the course the student must be able to :

1. To provide the students with the basic knowledge, skills and attitudes which enable them to identify, analyze, manage medical pediatric problems according to different age groups of children in order to provide efficient, cost effective patient care.
2. To provide the student with an appropriate background to detect and manage common and essential pediatric emergencies and malignancies.
3. To provide the students with the basic knowledge of normal and abnormal growth and development and its clinical application.

4. To provide the student with an appropriate skills to calculate children age requirements of drugs, calories intake, fluids.. etc.
5. To ensure that students have essential communication skills and team dynamics to provide patient care
6. To enable the development and application of appropriate ethical consideration for patient management

### **Learning outcomes**

#### **a- Knowledge and understanding:**

1. Describe normal growth, development, childhood and adolescence
2. Describe etiology, pathophysiology, and clinical features of the common pediatric disorders including neonates
3. List investigation used for diagnosis of common medical, neonatal and childhood disorders and their differential diagnosis
4. Explain management of various childhood and neonatal emergencies, acute and chronic diseases including their requirements of fluid, nutrients, caloric intake, and drugs dosage.
5. Describe preventive strategies for common infectious disorders , malnutrition including immunization programs , genetic and metabolic disorders , poisoning , accidents and child abuse.

#### **b- Intellectual skills:**

- 1- Integrate basic knowledge with clinical data.
- 2- Generate a priority list of differential diagnosis and investigation with interpretation of their results
- 3- Distinguish between normal newborn babies and those requiring special care and institute early care to all newborn babies including care of pre-term and low birth weight babies , provide correct guidance and counseling

#### **c- Practical and professional skills:**

1. Obtain a comprehensive focal pediatric history.

2. Perform physical examination to elicit abnormal physical signs with special care for neonates
3. Assess physical and mental development in neonate , infants , children and adolescents according to standard milestones and recognize abnormalities
4. Assess nutritional status and growth of pediatric patients , using anthropometric assessments as well as perform Tanner staging

**d- General and transferable skills:**

1. Communicate effectively with patients, and their relatives, colleagues and senior doctors.
2. Be an influential part of a teamwork and aware of team dynamics
3. Manage their time effectively

**Teaching and learning methods:**

1. lectures
2. bed side clinical teaching
3. seminars
4. simulation
5. TBL

**Methods of Assessment:**

- 1- MCQS
- 2- Clinical bed side ( OSCE/ slides)

**References:**

**1- Block study guide & handouts:**

❖ Department's PowerPoint slide lectures

2- Web site

❖ <http://emedicine.medscape.com>

### **3- Books**

Kliegman, Behrman, Jenson. Nelson Textbook of Pediatrics. 21<sup>st</sup> edition New Delhi: Elsevier;2020

Tom Lissauer, Will Carroll. Illustrated Textbook of Pediatrics.6<sup>th</sup> edition London, UK, Elsevier 2021